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(54) PRODUCTION OF POLYIMIDE COMPOSITE MATERIAL AND PRODUCTION OF FORMED POLYIMIDE COMPOSITE MATERIAL

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a polyimide composite material having low thermal expansion coefficient and provide a process for the production of its molded article.

SOLUTION: A clay treated with a tetraalkyl ammonium salt is dispersed in a basic solvent and a polyimide prepolymer is dissolved in the basic solvent to obtain a mixed liquid. A poor solvent of the prepolymer is added to the mixed liquid and the precipitated powdery polyimide prepolymer composite material is converted into a polyimide composite material by heat treatment.

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